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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/819,860	03/28/2001	Mikio Tanaka	14457	3671	
23389 7590 02/27/2004 SCULLY SCOTT MURPHY & PRESSER, PC 400 GARDEN CITY PLAZA			EXAMINER		
			DOOLEY, MATTHEW C		
GARDEN CIT		ART UNIT	PAPER NUMBER		
			2133	.,	
			DATE MAILED: 02/27/2004	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

SAM.

	Application	on No.	Applicant(s)				
	09/819,86	0 TANAKA ET AL.					
Office Action Summary	Examiner		Art Unit				
	Matthew 0		2133				
The MAILING DATE of this commun	nication appears on the	cover sheet	with the correspondence address	S			
A SHORTENED STATUTORY PERIOD F THE MAILING DATE OF THIS COMMUN - Extensions of time may be available under the provisions after SIX (6) MONTHS from the mailing date of this com - If the period for reply specified above is less than thirty (3 - If NO period for reply is specified above, the maximum s - Failure to reply within the set or extended period for reply Any reply received by the Office later than three months earned patent term adjustment. See 37 CFR 1.704(b).	ICATION. s of 37 CFR 1.136(a). In no even munication. 30) days, a reply within the stat tatutory period will apply and wi y will, by statute, cause the app	ent, however, may story minimum of Il expire SIX (6) N ication to become	v a reply be timely filed thirty (30) days will be considered timely. IONTHS from the mailing date of this commune ABANDONED (35 U.S.C. § 133).	ication.			
Status							
1) Responsive to communication(s) file	ed on <u>28 <i>March 2001</i></u> .						
2a) This action is FINAL.	2b)⊠ This action is n	on-final.					
3) Since this application is in condition	for allowance except	for formal m	atters, prosecution as to the mer	rits is			
closed in accordance with the pract	ice under <i>Ex par</i> te Qu	<i>ayl</i> e, 1935 C	C.D. 11, 453 O.G. 213.				
Disposition of Claims							
4)⊠ Claim(s) <u>1-26</u> is/are pending in the	application.						
4a) Of the above claim(s) is/a	are withdrawn from co	nsideration.					
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-26</u> is/are rejected.							
7) Claim(s) is/are objected to.	7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restri	ction and/or election r	equirement.					
Application Papers							
9)⊠ The specification is objected to by the	ne Examiner.						
10)⊠ The drawing(s) filed on 28 March 20	<u>001</u> is/are: a)⊠ accep	ted or b) 🗌	objected to by the Examiner.				
Applicant may not request that any obje	ection to the drawing(s) b	e held in abe	yance. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including	-		• • •	• •			
11)☐ The oath or declaration is objected t	o by the Examiner. No	te the attacl	hed Office Action or form PTO-15	52.			
Priority under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim	for foreign priority un	der 35 U.S.C	C. § 119(a)-(d) or (f).				
a)⊠ All b)⊡ Some * c)⊡ None of:							
1.⊠ Certified copies of the priority	documents have bee	n received.					
	2. Certified copies of the priority documents have been received in Application No						
	• •		en received in this National Stag	е			
application from the Internation	•		لد د څه د ده المد				
* See the attached detailed Office action	on for a list of the certi	riea copies r	iot received.				
Attachment(s)							
1) Notice of References Cited (PTO-892)		4) Intervie	w Summary (PTO-413)				
2) D Notice of Draftsperson's Patent Drawing Review (I		Paper N	lo(s)/Mail Date				
3) Information Disclosure Statement(s) (PTO-1449 or Paper No(s)/Mail Date <u>3,4</u> .	PTO/SB/08)	5) Notice (of Informal Patent Application (PTO-152))			
U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04)	Office Action Summa	ry	Part of Paper No./Mail	I Date 5			

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DETAILED ACTION

Specification

1. The abstract of the disclosure is objected to because of length. The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Sugimoto, U.S. 6,493,654.

The applied reference has a common inventor with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

As per claim 1:

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Sugimoto discloses a testing means for testing a memory that includes a readout means for reading defect bits that is output to a storage region of a computer (Fig.19; Col.24: 35-51). Also taught by Sugimoto is a address difference means, an address difference histogram production means, an expected value function means and a regular patterned defect mix rate calculation means used with a defect distribution (Fig.19,20; Col.2: 22-25; Col.3: 33 – Col.4: 4).

As per claim 2:

Sugimoto teaches to the calculation of the expectation function (Col.11: 38-55).

As per claim 3:

Sugimoto teaches to the calculation of a regular patterned defect mix rate (Col.10: 1-15; Col.14: 1-64).

As per claim 4:

Sugimoto discloses a testing means for testing a memory that includes a readout means for reading defect bits that is output to a storage region of a computer (Fig.19; Col.24: 35-51). Also taught by Sugimoto is a address difference means, an address difference histogram production means, an expected value function means and a regular patterned defect mix rate calculation means for factors from the expected value function (Fig.19, 20; Col.2: 22-25; Col.3: 33 – Col.4: 4).

As per claim 5:

The system of Sugimoto includes a calculation of a regular patterned defect mix rate function corresponding to a baseline compensated by a compensation means (Col.21:

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10-43).

As per claim 6:

Sugimoto teaches to the calculation of the expectation function (Col. 11: 38-55).

As per claim 7:

The regular patterned defect mix rate calculation means of Sugimoto includes

means for selecting a factor and finding an expected value for said value, means for

determining if the expected value is greater than a threshold, means for altering the mix

rate function based on the value of the expected value function, and means for having

mix rate functions for all selected factors (Fig. 6,7).

As per claim 8:

Sugimoto teaches to a regular patterned defect mix rate calculation means

comprising a defect number calculation means, an expected value selection means, an

expected value threshold comparison means, a defect mix rate value function calculation

means, a mixed rate valuation means, and a defect mix rate selection means (Fig. 6,7).

As per claim 9:

Sugimoto teaches to a defect ratio calculation means (Col.4: 45- Col.5: 19).

As per claims 10-18:

Claims 10-18 are the method claims corresponding to means claims 1-9 and as

such can be rejected using analogous reasoning to that utilized in the rejection of claims

1-9 above.

As per claims 19-26:

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Claims 19-26 are the computer product claims corresponding to means claims 4-9 and method claims 13-18, and as such can be rejected using analogous reasoning to that utilized in the rejection of claims 4-9 and 13-18 above.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a.	Kulkarnı et al.	U.S. 5,991,699
b.	Miyazaki et al.	U.S. 6,016,562
C.	Suzuki et al.	U.S. 6,034,905
d.	Vollrath et al.	U.S. 6,564,346
e.	Oh et al.	U.S. 6,625,766

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew C. Dooley whose telephone number is (703) 306-5538. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on (703) 305-9595. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Matthew Dooley

Examiner AU 2133

2/20/04

Albert DeCady Primary Examiner